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The following series of slides covers the subject of the
NECSAS Program Overview
and was presented under the title,
“Review of the FY00 NECSAS Program,”
at the
*FY00 NOAA Environmental Compliance and Safety Conference
and Workshop* held October 31 through November 2, 2000 in
Silver Spring, Maryland



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Review of the FY00 NECSAS Program

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*FY00 NOAA Environmental Compliance
and Safety Conference and Workshop
October 31 through November 2, 2000*



Review of FY00 NECSAS Program



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Agenda of Briefing

NECSAS Program Overview (pp. 3 - 9)

**Objectives of Briefing - Environmental Mandates - EO 13148 -
Health and Safety Mandates - Historical Development of Program**

Appendix (pp. A.1 - A.18)

**Program Goals - Program Objectives - Media-Based Protocols -
FY00 Completed Assessments - FY99 Completed Assessments -
Perpetual Calendar - Design of the Perpetual Calendar -
Assessment Scheduling - Zones for Tier I Assessments**



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Objectives of Briefing

- Overview of Past Year's Program
 - Discussion of changes in direction
 - Historical perspective
 - Report on accomplishments
- Post Briefing Discussion
 - Question and answer forum
 - Ensure customer satisfaction by audience participation



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Environmental Mandates

- Executive Order 13148, *Greening the Government through Leadership in Environmental Management* (21Apr00)
- NAO 216.17 NOAA Environmental Compliance Program (29Sep98)
 - Declaration of NOAA's Designated Responsible Officials under NAO 216.17 and EO 12196 (4Oct00)
- NOAA Environmental Compliance Policy 97- 01
NOAA Environmental Audit Policy, 30Sep97 (rev 30Sep98)
- *EPA's Incentives for Self-Policing: Discovery, Disclosure, Correction and Prevention of Violations, Final Policy Statement, Federal Register, Volume 60, No. 246 (22Dec95)*



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Executive Order 13148

- requires all Federal agencies to establish and implement facility environmental compliance audit programs (which emphasize pollution prevention) by April 2001
- agencies with established environmental audit programs may opt to conduct environmental management systems instead
- as appropriate, each agency shall include contractor and concessioner activities in these audits (i.e., tenants)
- each agency shall conduct internal audits and reviews
- findings from the assessments or audits shall be considered in the annual budget submission to the OMB



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Health and Safety Mandates

- Executive Order 12196, *Occupational Safety and Health Programs for Federal Employees* (26Feb80)
 - Declaration of NOAA's Designated Responsible Officials under NAO 216.17 and EO 12196 (4Oct00)
- Title 29, Code of Federal Regulations, Part 1960, *Basic Program Elements for Federal Employees Occupational Safety and Health Programs and Related Matters*
- Department of Commerce, *Occupational Safety and Health Manual* (Jul 97)



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Historical Development of Program

- Genesis of NOAA's environmental audit program (early '90s)
- FY98 Audit Program Annual Review (18-19Nov98)
 - *post mortem* of TetraTech-contracted audit procedures and results
 - analyses of customer requirements
 - discussion of benchmark EH&S programs and tools
 - development of the NOAA Corporate Audit Program Team
 - * nomination and selection of membership
 - * development of taskers and work groups
- 1999 Annual Teams' Implementation and Planning Conference (12-15Jan99)
 - presentation of draft charter for membership review
 - qualitative and quantitative analyses of proposed NECSAS
 - development of draft Strategic Plan for proposed NECSAS



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Historical Development of Program (cont'd)

- **6th ECS Summer Conference (12-16Jun99)**
 - revision of Strategic Plan for proposed NECSAS
 - identification of FY99 assessments
 - development of rudimentary perpetual calendar
- **OK NECSAS conducted (19-23Jul99)**
 - manageable cluster of sites in one state
 - documentation of shortcomings to be corrected before upcoming next assessment
- **AK NECSAS conducted (16-21Aug99)**
 - expanded geographical area selected with diverse activities
 - first zonal approach
- **NC NECSAS conducted (15-19Nov99)**
 - expanded geographical area, diverse activities, and scheduling complexities
 - first attempt at cooperative assessment approach between agencies



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Historical Development of Program (cont'd)

- **NECSAS Evaluation Group(24Jan00 to present)**
 - each Line Office represented by LECO/alternate(s)
 - convened over 20 meetings
 - * reevaluation of FY99 NECSAS Program
 - * documentation of revised procedures and steps
 - * development of perpetual calendar
 - * ongoing forum for continuous feedback and improvement



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Appendix

**Historical Details
Technical Clarification
Supplemental Information**



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Program Goals

To provide quality compliance assistance service by:

- Attaining , sustaining and monitoring compliance with applicable Federal, state, and local environmental, safety and health laws, regulations and standards.
- Progressing beyond compliance through the strategic implementation of innovative policies and documented best management practices, procedures, and projects to mitigate potential liabilities.
- Assessing and enhancing the safety and environmental management systems of the organization.



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Program Objectives

- Assist Line Offices in identifying and resolving environmental compliance and safety and health issues;
- Assist Line Offices in developing corrective strategies to address the issues;
- Identify to Line Offices the resources necessary to implement resolution;
- Provide accurate, technical data to the Line Offices to support the programming effort; and
- Track the execution of corrective strategies for Line Office use.



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Media-Based Protocols (Environmental)

- Air Emissions
- Cultural Resources
- Hazardous Materials
- Hazardous Waste
- Natural Resources
- Pesticides
- POL Management
- Solid Waste Management
- Storage Tanks
- Storage Tanks
- Toxic Substances
 - PCBs
 - Asbestos
 - Radon
 - Lead-base Paint
- Wastewater
- Water Quality
- Other Issues
 - Project Impacts
 - Noise “ “



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Media-Based Protocols (Safety and Health)

- Basic Program Elements
- Exposure/Medical Records
- Illness/Injury Reporting
- Hazardous Communication
- Personal Protective Equipment
- Occupational Noise Exposure
- Accident Prevention Signs/Tags
- Machinery/Machine Guarding
- Welding, Cutting, and Brazing
- Air Contaminants
- Benzene
- Methylene Chloride
- Ventilation
- Dip Tanks
- Cadmium
- Asbestos/Lead
(also in construction)
- Sanitation



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Media-Based Protocols **(Safety and Health)(continued)**

- **Safety-Related Work Practices**
- **Walking/Working Surfaces**
- **Materials Handling/Storage**
- **Hazardous Materials**
- **Permit-Required Confined Space**
- **Ionizing Radiation**
- **Non-ionizing Radiation**
- **Bloodborne Pathogens**
- **General Construction Issues**
- **Means of Egress**
- **Fire Protection**
- **Emergency Response**
- **Lockout/Tag-out**
- **Ergonomics**
- **Spray Finishing**
- **Hand/Portable Power Tools and Other Hand-held Equip't**



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FY00 Completed Assessments*

<u>Line Office</u>	<u>Number</u>	<u>Locations</u> OR MD VA		
NESDIS	1	0	0	1
NMFS	0	0	0	0
NOS	4	0	1	3
NWS	4	2	0	2
OAR	0	0	0	0
OMAO	1	0	0	1
Totals	10	2	1	7

* refer to Appendix (p. A.8) for details of FY00 site visits



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FY00 Completed Assessments (cont'd)

Blacksburg (VA) Roanoke WFO	NWS	19 Sep 2000
• Buchannon (VA) River Gauge	NWS	19 Sep 2000
Chesapeake (VA) CO-OPS Field Ops Div	NOS	21 Sep 2000
Medford (OR) WFO	NWS	24 Aug 2000
• Mt. Ashland (OR) Radar Towers	NWS	24 Aug 2000
Norfolk (VA) CS Atlantic Hydrogr Br	NOS	19 Sep 2000
Norfolk (VA) NGS Field Operations Br	NOS	20 Sep 2000
Norfolk (VA) Marine Operations Center	OMAO	21 Sep 2000
Oxford (MD) NCCOS CCEHBR Lab	NOS	19 Sep 2000
Portland (OR) WFO-RFC Facility	NWS	22 Aug 2000
• Scappoose (OR) Radar Towers	NWS	23 Aug 2000
Wakefield (VA) WFO	NWS	20 Aug 2000
• Stony Creek (VA) River Gauge	NWS	20 Aug 2000
Wallop (VA) CDA Station	NESDIS	20 Aug 2000



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FY99 Completed Assessments*

<u>Line Office</u>	<u>Number</u>	<u>Locations</u>		
		AK	NC	OK
NESDIS	2	1	1	0
NMFS	7	6	1	0
NOS	1	0	1	0
OAR	1	0	0	1
NWS	13	6	3	4
Totals	24	13	6	5

* refer to Appendix (pp. A.10 - A.11) for complete listing of FY99 Assessments



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FY99 Completed Assessments (cont'd)

Anchorage (AK) Federal Building	NMFS	20 Aug 1999
Anchorage (AK) WFO-RFC	NWS	20 Aug 1999
• Reg Electr Maint Unit	NWS	20 Aug 1999
Annette Is (AK) NWS Facility	NWS	18 Aug 1999
Ashville (NC) Nat'l Climatic Data Center	NESDIS	18 Nov 1999
Atlantic Beach (NC) Enforcement Office	NMFS	17 Nov 1999
Auke Bay (AK) Laboratory	NMFS	17 Aug 1999
• Little Port Walter (AK) Facility	NMFS	18 Aug 1999
Beaufort (NC) NCCOS CCFHR Lab	NOS	16 Nov 1999
Fairbanks (AK) Cmmnd/Data Acq Center	NESDIS	19 Aug 1999
Fairbanks (AK) WFO	NWS	18 Aug 1999
Juneau (AK) Federal Building	NMFS	18 Aug 1999
Juneau (AK) Subport Borough Facility	NMFS	20 Aug 1999



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FY99 Completed Assessments (cont'd)

Juneau (AK) WFO	NWS	17 Aug 1999
Kodiak Is (AK) Gibson Cove Enf Office	NMFS	19 Aug 1999
Kodiak Is (AK) Lab/Research Center	NMFS	18 Aug 1999
Kodiak Is (AK) NWS Facility	NWS	19 Aug 1999
Moorehead (NC) WFO	NWS	15 Nov 1999
Norman (OK) Nat'l Severe Storms Lab	OAR	20 Jul 1999
Norman (OK) NEXRAD Opn Sppt Fac	NWS	22 Jul 1999
Norman (OK) Storm Prediction Center	NWS	21 Jul 1999
Norman (OK) WFO	NWS	22 Jul 1999
Palmer (AK) West Coast and Alaska Tsunami Warning Center	NWS	20 Aug 1999
Raleigh (NC) WFO	NWS	15 Nov 1999
Tulsa (OK) WFO-RFC	NWS	20 Jul 1999
Wilmington (NC) WFO	NWS	19 Nov 1999



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Perpetual Calendar

FY 00/04/08...

(I/V/IX...)

DC/MD/VA³

IL/IN/OH⁵

MI

NC

OR/WA⁹

FY 01/05/09...

(II/VI/X...)

CA⁸

CT/MA/RI^{1b}

GU¹¹

HI¹¹

ME/NH/VT^{1a}

FY 02/06/10...

(III/VII/XI...)

AL/FL/GA⁴

LA/MS/TX⁶

SC

Note: listing of zones and states and site within fiscal years is alphabetical only; the distribution was based on stakeholder interests, e.g., limited, fiscal resources, a balanced, annual work load among the Line Offices, etc.

FY 03/07/11...

(IV/VIII/XII...)

AK¹⁰

CO

DE/NJ/PA²

MO/OK⁷



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Design of the Perpetual Calendar

The NECSAS Perpetual Calendar is based on:

1) a four-year cycle where

a) **column headings (black)** indicate fiscal year(s) when Tier I compliance assistance service (baseline assessments) will be conducted, e.g., **FY 00/04/08...** designates FY 2000, 2004, 2008, etc.

b) **column headings (red)** indicate ordinal year(s) when the ECSD-managed Tier I compliance assistance service is planned, i.e., **III/VII/XI** designates the third, seventh, and eleventh years beginning with the Program's inaugural year (i.e., **FY00** or year **I**); and



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Design of the Perpetual Calendar (cont'd)

2) currently, eleven (11) zones of concentrated Line Office facilities/sites/activities have been mapped and identified which are

- a) intended to include the major clusters of high-risk facilities/sites/activities for cost-effective execution of the Program; and
- b) comprised of one state, a group of states, or a region that can be managed in a coordinated, single assessment team effort considering the geography, travel distances, and logistics.



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Assessment Scheduling

The NECSAS assessment scheduling process at the Annual Planning Meeting allows for:

- 1) continuous scheduling and programming as
 - a) assessments within the executable and out years of the budget cycle can be set very early;
 - b) the order and periods for zonal assessment(s) of facilities/sites/activities is set indefinitely for program years; and
- 2) flexibility and customization to customers' needs as



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Assessment Scheduling (cont'd)

- a) any facilities/sites/activities within a zone(s) can be selected for/omitted from being assessed through an on-site Tier I visit during any given cycle-year based on priorities, budget, etc.;
- b) intra-zonal facilities/sites/activities that are omitted from the Tier I list for on-site assessment can be still evaluated concurrently by alternate methods (e.g., Tier III effort of telephone surveys; and
- c) outlying states/facilities/sites/activities not listed in a zone in the perpetual calendar can be added, scheduled and ultimately assessed that year based on the approval of the ECSC Council (e.g., sites in Idaho).



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Assessment Scheduling (cont'd)

The NECSAS assessment scheduling promotes:

- 3) cost-effective program execution through
 - a) Line Office partnering and team coordination
 - b) shared preparatory and travel costs; and
 - c) strategic analysis of regional and inter-Line Office trends and issues.



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Zones for Tier I Assessments

Ia New England – no	Maine (ME), New Hampshire (NH), Vermont (VT)
Ib New England – so	Connecticut (CT), Rhode Island (RI), Massachusetts (MA)
2 Mid-Atlantic	Delaware (DE), New Jersey (NJ), New York (NY), Pennsylvania (PA)
3 Capital	District of Columbia (DC), Maryland (MD), Virginia (VA)
4 Southeast	Alabama (AL), Florida (FL), Georgia (GA)
5 Corn Belt	Illinois (IL), Indiana (IN), Ohio (OH)
6 Gulf	Louisiana (LA), Mississippi (MS), Texas (TX)
7 Prairie	Missouri (MO), Oklahoma (OK)
8 Pacific	California (CA)
9 Northwest	Oregon (OR), Washington (WA)
10 Alaskan	Alaska (AK)
11 Micronesia	Hawaii (HI)(other Pacific locations should be considered/included)

Please note that all 50 states where NOAA facilities/sites are located are not included in zones (i.e., only 29 states are zoned). However, any of the 21 zone-excluded states can be added to the Schedule during any Annual NECSAS Planning Meeting based on the Line Office(s) priorities.